



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE USA/0654/S-96, REVISION 1

East Building, PHH-23
1200 New Jersey Avenue SE
Washington, D.C. 20590

This certifies that the sources described have been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency¹ and the United States of America² for the transport of radioactive material.

1. Source Identification - Eckert & Ziegler Isotope Products Model Numbers 67-6505, 67-6510, 67-6515, 67-6520, 67-6525, 67-6530, 67-6535, and 67-6540.
2. Source Description - Cylindrical double encapsulation made of Type 304 stainless steel and fusion welded. Approximate outer dimensions are 3.05 mm (0.12 in.) in diameter and 20.0 mm (0.79 in.) in length. Minimum total wall thickness is 0.58 mm (0.02 in.). Construction shall be in accordance with attached Isotope Products Laboratories Drawing No. 3513 (DOT), Rev. C, Sheet 1 of 1.
3. Radioactive Contents - No more than 101.75 MBq (2.75 mCi) of Cesium-137 multiplied by the last two digits of a given model number. The Cs-137 is in the form of an oxide in ceramic.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations¹ shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors in the United States exporting shipments under this certificate shall satisfy the applicable requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires on November 30, 2013.

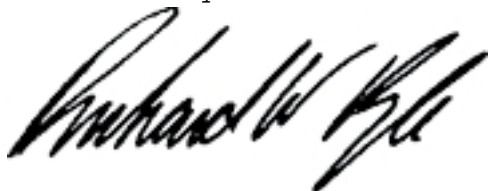
¹ "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency(IAEA), Vienna, Austria.

² Title 49, Code of Federal Regulations, Parts 100-199, United States of America.

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This certificate is issued in accordance with paragraph 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the November 26, 2008 petition by Eckert & Ziegler Isotope Products, Valencia, CA, and in consideration of other information on file in this Office.

Certified By:



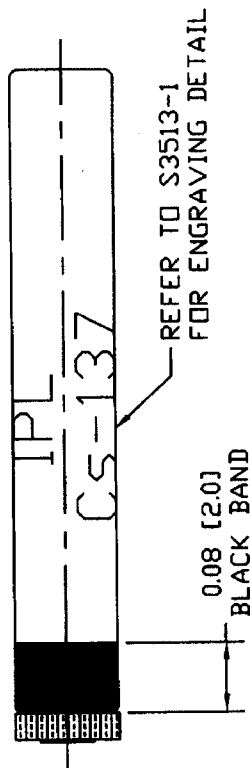
Dec 17 2008

(DATE)

 Robert A. Richard

Deputy Associate Administrator for Hazardous Materials Safety

Revision 1 - Issued to extend the expiration date, update the corporate name and to revise the model variable designator.



667-6500 SERIES BRACHYTHERAPY TUBE SOURCE

| | | | | | | | |
|---|--|--|--|--------------|--|-----------------|------------------|
| <div>Isotope Products Laboratories</div> <div>An Eckert & Ziegler Company</div> <div>VALENCIA, CALIFORNIA 91355</div> | UNLESS OTHERWISE SPECIFIED INCH-SIZES | | UNLESS OTHERWISE SPECIFIED (UNLESS OTHERWISE SPECIFIED) | DRAWN JJK | TITLE BRACHYTHERAPY TUBE SOURCE, 1.5 cm Cs-137 | REV C | |
| | TOLERANCES | | | | | | ME/CHECKER EZ |
| | XXXX ± .002 INCH | | ANGULAR TOLERANCE OF 0°-30° | ENGR MD | DRAWING NO. 3513 (DOT) | | |
| | XXX ± .005 INCH | | | | | | |
| | XX ± .03 INCH | | FRACTIONAL DIMENSIONS ± 1/64 | SIZE A | SERIES TITLE MEDICAL, HEG SOURCES | SHEET 1 OF 1 | |
| | ALL DIMENSIONS ARE FINISHED DIMENSIONS | | | | | | |
| | THIRD ANGLE PROJECTION | | SCALE | | | | |
| | | | NONE | | | | |
| | | | | | | | |
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CERTIFICATE NUMBER: USA/0654/S-96, Revision 1

ORIGINAL REGISTRANT(S):

Ms. Frida Tan
Regulatory Affairs manager
Eckert & Ziegler Isotope Products
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Valencia, 91355
USA